

Technical Data Sheet  
**Lucent PP GPP-120**  
Polypropylene Homopolymer  
Engineering Plastics



**Product Description**

20% Glass Fiber Reinforced, Chemically Coupled, Homopolymer Polypropylene

Melt Flow Adjustable for Application

Colors Available

Add "U" for UV Stabilized

Add "H" for Heat Stabilized

**General**

|                        |                                     |               |
|------------------------|-------------------------------------|---------------|
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |               |
| Features               | • Chemically Coupled                | • Homopolymer |
| Appearance             | • Colors Available                  |               |

| Physical                                      | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity                    | 1.04                    | 1.04 g/cm³         | ASTM D792   |
| Molding Shrinkage - Flow (0.125 in (3.18 mm)) | 5.0E-3 in/in            | 0.50 %             |             |
| Mechanical                                    | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield)                      | 8700 psi                | 60.0 MPa           | ASTM D638   |
| Tensile Elongation (Break)                    | 5.0 %                   | 5.0 %              | ASTM D638   |
| Flexural Modulus                              | 475000 psi              | 3280 MPa           | ASTM D790   |
| Flexural Strength                             | 12000 psi               | 82.7 MPa           | ASTM D790   |
| Impact                                        | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact (0.125 in (3.18 mm))      | 1.0 ft·lb/in            | 53 J/m             | ASTM D256   |
| Thermal                                       | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load             |                         |                    | ASTM D648   |
| 264 psi (1.8 MPa), Unannealed                 | 265 °F                  | 129 °C             |             |

**Notes**

These are typical property values not to be construed as specification limits.